me of Work: Repair and Improvements to drains Mandi Mariyappa
dy main road in Mariyannapalya in ward No 07 Byatarayanapura

EMB

"FIRST AND PART BILL"

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

PRE-MEASUREMENT SHEETS

"FIRST AND PART BILL"

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 30-11-2020

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
2	KSRRB 300-1 **Earthwork excavation by manual means for roads, drains** & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.						
	Drain Desilt						
	LHS from Kempegowda circle						
	Ch 0.00 to 30.00m	1	30.00	0.90	0.65	17.55	
	Ch 30.00 to 57.20m	1	27.20	0.90	0.70	17.14	
	Ch:57.20 to 66.20m	1	9.00	0.90	0.60	4.86	
	Ch.66.20 to 96.20m	1	30.00	0.90	0.65	17.55	
	Ch:96.20 to 115.60m	1	19.40	0.90	0.75	13.10	
	Gap						
	Ch:115.60 to 145.00m	1	29.40	0.90	0.70	18.52	
					Present Qty	**88.71**	**Cum**

Consultant

Asst. Engineer

Asst. Exec. Engineer

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

SILICON CONSULTING ENGINEERS

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 28-01-2021

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
3	KSRRB M300-14 **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.						
	RCC Drain						
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch:0.00 to 30.00m	1	30.00	1.00	0.90	27.00	
	Ch:30.00 to 60.00m	1	30.00	1.00	0.90	27.00	
	Ch:60.00 to 80.80m	1	20.80	1.00	0.90	18.72	
	Gap						
	Ch:80.80 to 89.00m	1	8.20	1.00	0.90	7.38	
	Ch:89.00 to 119.00m	1	30.00	1.00	0.90	27.00	
	Ch:119.00 to 138.70m	1	19.70	1.00	0.90	17.73	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	1.00	0.90	8.28	
	Ch:147.90 to 166.20m	1	18.30	1.00	0.90	16.47	
	Road Gap						
	Ch:166.20 to 178.90m	1	12.70	1.00	0.90	11.43	
	Ch:178.90 to 188.80m	1	9.90	1.00	0.90	8.91	
	Ch:188.80 to 196.20m	1	7.40	1.00	0.90	6.66	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	1	4.10	1.00	0.90	3.69	
	Ch:200.30 to 208.50m	1	8.20	1.40	0.90	10.33	
	Ch:208.50 to 223.10m	1	14.60	1.40	1.00	20.44	
	Ch:223.10 to 253.10m	1	30.00	1.40	1.00	42.00	
	Ch:253.10 to 272.70m	1	19.60	1.40	1.00	27.44	
	Ch:272.70 to 276.30m	1	3.60	1.40	1.00	5.04	
	Ch:276.30 to 279.20m	1	2.90	1.40	1.00	4.06	
	Culvert Gap						
	Ch:279.20 to 297.00m	1	17.80	1.40	1.00	24.92	
	Ch:297.00 to 311.40m	1	14.40	1.40	1.00	20.16	
	Road Gap						
	Ch:311.40 to 315.60m	1	4.20	1.40	1.00	5.88	
	Ch:315.60 to 331.30m	1	15.70	1.40	1.00	21.98	

ractor
ecutive Engineer
r, Sub-division,
MP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engine
Road Infrastructure, Yelahanka Divis
Asst. Exec. Engineer

Scanned by CamScanner

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:331.30 to 336.70m	1	5.40	1.40	1.00	7.56	
	Ch:336.70 to 341.70m	1	5.00	1.40	1.00	7.00	
	Culvert gap						
	Ch:341.70 to 345.60m	1	3.90	1.40	1.00	5.46	
	Ch:345.60 to 349.00m	1	3.40	1.40	1.00	4.76	
	Ch:349.00 to 373.00m	1	24.00	1.40	1.00	33.60	
	Ch:373.00 to 382.50m	1	9.50	1.40	1.00	13.30	
	Ch:382.50 to 412.50m	1	30.00	1.40	1.00	42.00	
	Ch:412.50 to 430.50m	1	18.00	1.40	1.00	25.20	
	Culvert gap						
	Ch:430.50 to 444.80m	1	14.30	1.00	0.90	12.87	
	Ch:444.80 to 450.60m	1	5.80	1.00	0.90	5.22	
	Ch:450.60 to 462.20m	1	11.60	1.00	0.90	10.44	
	Ch:462.20 to 467.00m	1	4.80	1.00	0.90	4.32	
	Ch:467.00 to 475.70m	1	8.70	1.00	0.90	7.83	
	Ch:475.70 to 479.30m	1	3.60	1.00	0.90	3.24	
	Ch:479.30 to 485.20m	1	5.90	1.00	0.90	5.31	
	RCC Culvert						
		1	7.10	2.00	1.00	14.20	
		1	8.60	2.00	1.00	17.20	
					Present Qty	**582.03**	**Cum**

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಪಶ್ಚಿಮ ಮೂಲಭೂತ ಸೌಕರ್ಯ, (ಯಲಹಂಕ ವಿ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು- 02.

SILICON CONSULTING ENGINEERS
Consultants

actor
tive Engineer
ub-division,

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: **Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura**

Detailed Measurements

Measurement Recorded On: 24-12-2020

Item No	Description of Item	No	Length	A Breadth	Depth	Qty	Unit
4	8.8.8.8.8 M2100-10 Providing and laying **Plain cement concrete** of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications						
	RCC Drain						
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch 0.00 to 30.00m	1	30.00	1.00	0.10	3.00	
	Ch 30.00 to 60.00m	1	30.00	1.00	0.10	3.00	
	Ch 60.00 to 80.80m	1	20.80	1.00	0.10	2.08	
	Gap						
	Ch 80.80 to 89.00m	1	8.20	1.00	0.10	0.82	
	Ch 89.00 to 119.00m	1	30.00	1.00	0.10	3.00	
	Ch 119.00 to 138.70m	1	19.70	1.00	0.10	1.97	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	1.00	0.10	0.92	
	Ch:147.90 to 166.20m	1	18.30	1.00	0.10	1.83	
	Road Gap						
	Ch:166.20 to 178.90m	1	12.70	1.00	0.10	1.27	
	Ch:178.90 to 188.80m	1	9.90	1.00	0.10	0.99	
	Ch:188.80 to 196.20m	1	7.40	1.00	0.10	0.74	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	1	4.10	1.00	0.10	0.41	
	Ch:200.30 to 208.50m	1	8.20	1.40	0.10	1.15	
	Ch:208.50 to 223.10m	1	14.60	1.40	0.10	2.04	
	Ch:223.10 to 253.10m	1	30.00	1.40	0.10	4.20	
	Ch:253.10 to 272.70m	1	19.60	1.40	0.10	2.74	
	Ch:272.70 to 276.30m	1	3.60	1.40	0.10	0.50	
	Ch:276.30 to 279.20m	1	2.90	1.40	0.10	0.41	
	Culvert Gap						
	Ch:279.20 to 297.00m	1	17.80	1.40	0.10	2.49	
	Ch:297.00 to 311.40m	1	14.40	1.40	0.10	2.02	
	Road Gap						
	Ch:311.40 to 315.60m	1	4.20	1.40	0.10	0.59	
	Ch:315.60 to 331.30m	1	15.70	1.40	0.10	2.20	

Contractor

Executive Engineer
Nagar, Sub-division,
L, BBMP, Bangalore

SHEKON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engine
Road Infrastructure, (Yelahanka Divi
Bruhat Bengaluru Mahanagara Pali
Bengaluru - 02.
Asst. Exec. Engineer

Scanned by CamScanner

Item No	Description of Item	No	Length	A Breadth	Depth	Qty	Unit
	Ch 331.30 to 336.70m	1	5.40	1.40	0.10	0.76	
	Ch 336.70 to 341.70m	1	5.00	1.40	0.10	0.70	
	Culvert gap						
	Ch 341.70 to 345.60m	1	3.90	1.40	0.10	0.55	
	Ch 345.60 to 349.00m	1	3.40	1.40	0.10	0.48	
	Ch 349.00 to 373.00m	1	24.00	1.40	0.10	3.36	
	Ch 373.00 to 382.50m	1	9.50	1.40	0.10	1.33	
	Ch 382.50 to 412.50m	1	30.00	1.40	0.10	4.20	
	Ch 412.50 to 430.50m	1	18.00	1.40	0.10	2.52	
	Culvert gap						
	Ch 430.50 to 444.80m	1	14.30	1.00	0.10	1.43	
	Ch 444.80 to 450.60m	1	5.80	1.00	0.10	0.58	
	Ch 450.60 to 462.20m	1	11.60	1.00	0.10	1.16	
	Ch 462.20 to 467.00m	1	4.80	1.00	0.10	0.48	
	Ch 467.00 to 475.70m	1	8.70	1.00	0.10	0.87	
	Ch 475.70 to 479.30m	1	3.60	1.00	0.10	0.36	
	Ch 479.30 to 485.20m	1	5.90	1.00	0.10	0.59	
	For Concrete Band						
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch 0.00 to 30.00m	1	30.00	0.15	0.10	0.45	
	Ch 30.00 to 60.00m	1	30.00	0.15	0.10	0.45	
	Ch 60.00 to 80.80m	1	20.80	0.15	0.10	0.31	
	Gap						
	Ch:80.80 to 89.00m	1	8.20	0.15	0.10	0.12	
	Ch:89.00 to 119.00m	1	30.00	0.15	0.10	0.45	
	Ch:119.00 to 138.70m	1	19.70	0.15	0.10	0.30	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	0.15	0.10	0.14	
	Ch:147.90 to 166.20m	1	18.30	0.15	0.10	0.27	
	Road Gap						
	Ch:166.20 to 178.90m	1	12.70	0.15	0.10	0.19	
	Ch:178.90 to 188.80m	1	9.90	0.15	0.10	0.15	
	Ch:188.80 to 196.20m	1	7.40	0.15	0.10	0.11	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	1	4.10	0.15	0.10	0.06	
	Ch:200.30 to 208.50m	1	8.20	0.15	0.10	0.12	
	Ch:208.50 to 223.10m	1	14.60	0.15	0.10	0.22	
	Ch:223.10 to 253.10m	1	30.00	0.15	0.10	0.45	
	Ch:253.10 to 272.70m	1	19.60	0.15	0.10	0.29	
	Ch:272.70 to 276.30m	1	3.60	0.15	0.10	0.05	
	Ch:276.30 to 279.20m	1	2.90	0.15	0.10	0.04	

Executive Engineer
Contractor
Sagar, Sub-division,
BBMP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure / Yelahanka Division
Asst. Exec. Engineer

Scanned by CamScanner

Item No	Discription of Item	No	Length	A Breadth	Depth	Qty	Unit
	Culvert Gap						
	Ch 279.20 to 297.00m	1	17.80	0.15	0.10	0.27	
	Ch 297.00 to 311.40m	1	14.40	0.15	0.10	0.22	
	Road Gap						
	Ch 311.40 to 315.60m	1	4.20	0.15	0.10	0.06	
	Ch 315.60 to 331.30m	1	15.70	0.15	0.10	0.24	
	Ch 331.30 to 336.70m	1	5.40	0.15	0.10	0.08	
	Ch 336.70 to 341.70m	1	5.00	0.15	0.10	0.08	
	Culvert gap						
	Ch 341.70 to 345.60m	1	3.90	0.15	0.10	0.06	
	Ch 345.60 to 349.00m	1	3.40	0.15	0.10	0.05	
	Ch 349.00 to 373.00m	1	24.00	0.15	0.10	0.36	
	Ch:373.00 to 382.50m	1	9.50	0.15	0.10	0.14	
	Ch:382.50 to 412.50m	1	30.00	0.15	0.10	0.45	
	Ch:412.50 to 430.50m	1	18.00	0.15	0.10	0.27	
	Culvert gap						
	Ch:430.50 to 444.80m	1	14.30	0.15	0.10	0.21	
	Ch:444.80 to 450.60m	1	5.80	0.15	0.10	0.09	
	Ch:450.60 to 462.20m	1	11.60	0.15	0.10	0.17	
	Ch:462.20 to 467.00m	1	4.80	0.15	0.10	0.07	
	Ch:467.00 to 475.70m	1	8.70	0.15	0.10	0.13	
	Ch:475.70 to 479.30m	1	3.60	0.15	0.10	0.05	
	Ch:479.30 to 485.20m	1	5.90	0.15	0.10	0.09	
	RCC Culvert						
		1	7.10	1.80	0.15	1.92	
		1	8.60	1.80	0.15	2.32	
					Present Qty	**69.25**	**Cum**
					Qty to be paid	**36.85**	**Cum**
					Qty reserved	**32.40**	**Cum**

Assistant Executive Engineer
Road Infrastructure (Yelahanka Division)
Bruhat Bangalore [illegible] Palike

Executive Engineer, Consultant
Contractor
Sub-division,
BBMP, Bangalore

KCON CONSULTING ENGINEERS

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 07-01-2021

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
5	Providing and laying plain reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 10cm including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge						
	RCC Drain Raft						
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch 0.00 to 30.00m	1	30.00	0.90	0.10	2.70	
	Ch 30.00 to 60.00m	1	30.00	0.90	0.10	2.70	
	Ch 60.00 to 80.80m	1	20.80	0.90	0.10	1.87	
	Gap						
	Ch 80.80 to 89.00m	1	8.20	0.90	0.10	0.74	
	Ch:89.00 to 119.00m	1	30.00	0.90	0.10	2.70	
	Ch:119.00 to 138.70m	1	19.70	0.90	0.10	1.77	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	0.90	0.10	0.83	
	Ch:147.90 to 166.20m	1	18.30	0.90	0.10	1.65	
	Road Gap						
	Ch:166.20 to 178.90m	1	12.70	0.90	0.10	1.14	
	Ch:178.90 to 188.80m	1	9.90	0.90	0.10	0.89	
	Ch:188.80 to 196.20m	1	7.40	0.90	0.10	0.67	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	1	4.10	0.90	0.10	0.37	
	Ch:200.30 to 208.50m	1	8.20	1.20	0.10	0.98	
	Ch:208.50 to 223.10m	1	14.60	1.20	0.10	1.75	
	Ch:223.10 to 253.10m	1	30.00	1.20	0.10	3.60	
	Ch:253.10 to 272.70m	1	19.60	1.20	0.10	2.35	
	Ch:272.70 to 276.30m	1	3.60	1.20	0.10	0.43	
	Ch:276.30 to 279.20m	1	2.90	1.20	0.10	0.35	
	Culvert Gap						
	Ch:279.20 to 297.00m	1	17.80	1.20	0.10	2.14	
	Ch:297.00 to 311.40m	1	14.40	1.20	0.10	1.73	
	Road Gap						

Executive Engineer
agar, Sub-division,
BBMP, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Divisi
Bruhat Bengaluru Mahanagara Palik

Asst. Exec. Engineer

Scanned by CamScanner

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch 311.40 to 315.60m	1	4.20	1.20	0.10	0.50	
	Ch 315.60 to 331.30m	1	15.70	1.20	0.10	1.88	
	Ch 331.30 to 336.70m	1	5.40	1.20	0.10	0.65	
	Ch 336.70 to 341.70m	1	5.00	1.20	0.10	0.60	
	Culvert gap						
	Ch 341.70 to 345.60m	1	3.90	1.20	0.10	0.47	
	Ch 345.60 to 349.00m	1	3.40	1.20	0.10	0.41	
	Ch 349.00 to 373.00m	1	24.00	1.20	0.10	2.88	
	Ch 373.00 to 382.50m	1	9.50	1.20	0.10	1.14	
	Ch 382.50 to 412.50m	1	30.00	1.20	0.10	3.60	
	Ch 412.50 to 430.50m	1	18.00	1.20	0.10	2.16	
	Culvert gap						
	Ch:430.50 to 444.80m	1	14.30	0.90	0.10	1.29	
	Ch:444 80 to 450.60m	1	5.80	0.90	0.10	0.52	
	Ch:450.60 to 462.20m	1	11.60	0.90	0.10	1.04	
	Ch.462.20 to 467.00m	1	4.80	0.90	0.10	0.43	
	Ch:467.00 to 475.70m	1	8.70	0.90	0.10	0.78	
	Ch:475.70 to 479.30m	1	3.60	0.90	0.10	0.32	
	Ch:479.30 to 485.20m	1	5.90	0.90	0.10	0.53	
	RCC Drain Wall						
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch:0.00 to 30.00m	2	30.00	0.10	0.60	3.60	
	Ch:30.00 to 60.00m	2	30.00	0.10	0.60	3.60	
	Ch:60.00 to 80.80m	2	20.80	0.10	0.60	2.50	
	Gap						
	Ch:80.80 to 89.00m	2	8.20	0.10	0.60	0.98	
	Ch:89.00 to 119.00m	2	30.00	0.10	0.60	3.60	
	Ch:119.00 to 138.70m	2	19.70	0.10	0.60	2.36	
	Gap						
	Ch:138.70 to 147.90m	2	9.20	0.10	0.35	0.64	
	Ch:147.90 to 166.20m	2	18.30	0.10	0.60	2.20	
	Road Gap						
	Ch:166.20 to 178.90m	2	12.70	0.10	0.60	1.52	
	Ch:178.90 to 188.80m	2	9.90	0.10	0.60	1.19	
	Ch:188.80 to 196.20m	2	7.40	0.10	0.60	0.89	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	2	4.10	0.10	0.60	0.49	
	Ch:200.30 to 208.50m	2	8.20	0.10	0.60	0.98	
	Ch:208.50 to 223.10m	2	14.60	0.10	0.60	1.75	
	Ch:223.10 to 253.10m	2	30.00	0.10	0.60	3.60	

Executive Engineer
Contractor
agar, Sub-division,
BBMP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engine
Road Infrastructure, (Yelahanka Divi
Bruhat Bengaluru Mahanagara Pali
Asst. Exec. Engineer

Scanned by CamScanner

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch 253.10 to 272.70m	2	19.60	0.10	0.60	2.35	
	Ch 272.70 to 276.30m	2	3.60	0.10	0.60	0.43	
	Ch 276.30 to 279.20m	2	2.90	0.10	0.60	0.35	
	Culvert Gap						
	Ch 279.20 to 297.00m	2	17.80	0.10	0.65	2.31	
	Ch 297.00 to 311.40m	2	14.40	0.10	0.70	2.02	
	Road Gap						
	Ch 311.40 to 315.60m	2	4.20	0.10	0.60	0.50	
	Ch 315.60 to 331.30m	2	15.70	0.10	0.60	1.88	
	Ch 331.30 to 336.70m	2	5.40	0.10	0.60	0.65	
	Ch 336.70 to 341.70m	2	5.00	0.10	0.60	0.60	
	Culvert gap						
	Ch:341.70 to 345.60m	2	3.90	0.10	0.60	0.47	
	Ch:345.60 to 349.00m	2	3.40	0.10	0.60	0.41	
	Ch:349.00 to 373.00m	2	24.00	0.10	0.60	2.88	
	Ch:373.00 to 382.50m	2	9.50	0.10	0.60	1.14	
	Ch:382.50 to 412.50m	2	30.00	0.10	0.65	3.90	
	Ch:412.50 to 430.50m	2	18.00	0.10	0.60	2.16	
	Culvert gap						
	Ch:430.50 to 444.80m	2	14.30	0.10	0.70	2.00	
	Ch:444.80 to 450.60m	2	5.80	0.10	0.70	0.81	
	Ch:450.60 to 462.20m	2	11.60	0.10	0.70	1.62	
	Ch:462.20 to 467.00m	2	4.80	0.10	0.70	0.67	
	Ch:467.00 to 475.70m	2	8.70	0.10	0.70	1.22	
	Ch:475.70 to 479.30m	2	3.60	0.10	0.70	0.50	
	Ch:479.30 to 485.20m	2	5.90	0.10	0.70	0.83	
	RCC Culvert Raft						
		1	7.10	1.50	0.20	2.13	
		1	8.60	1.50	0.20	2.58	
	RCC Culvert Wall						
		2	7.10	0.23	0.50	1.63	
		2	8.60	0.23	0.50	1.98	
					Present Qty	**118.52**	**Cum**
					Qty to be paid	**78.78**	**Cum**
					Qty reserved	**39.74**	**Cum**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 02.

Executive Engineer
Contractor
Nagar, Sub-division,
BBMP, Bangalore

CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 24-12-2020

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRB 4.9.2 Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge						
	RCC Drain						
	Jakkur road						
	RHS						
	Total Drain Length=485.20m						
	Main Bar 10mm dia @235mm c/c						
	d=0.61kg/m						
	Distrubution Bar 10mm dia @220mm c/c						
	d=0.61kg/m						
	No of U Bars=2064	2064	2.00		0.61	2518.08	
	No of distrubution Bars=10	10	485.20		0.61	2959.72	
	Culvert						
	LHS From End						
	Total Drain Length=15.70m						
	Main Bar 10mm dia @200mm c/c						
	d=0.89kg/m						
	Distrubution Bar 10mm dia @200mm c/c						
	d=0.61kg/m						
	No of U Bars=157	157	2.50		0.61	239.43	
	No of distrubution Bars=22	22	15.70		0.61	210.69	
						5927.92	
					Present Qty	**5.93**	**Tn**
					Qty to be paid	**3.94**	**Tn**
					Qty reserved	**1.99**	**Tn**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 92.

Contractor

Executive Engineer
Nagar, Sub-division
DL, BBMP, Bangalore

CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 16-12-2020

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
7	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.						
	SSM Drain						
	LHS from Kempegowda circle						
	1st Step						
	Ch:0.00 to 30.00m	2	30.00	0.50	0.20	6.00	
	Ch:30.00 to 57.20m	2	27.20	0.50	0.20	5.44	
	Ch:57.20 to 66.20m	2	9.00	0.50	0.20	1.80	
	Ch:66.20 to 96.20m	2	30.00	0.50	0.20	6.00	
	Ch:96.20 to 115.60m	2	19.40	0.45	0.20	3.49	
	Gap						
	Ch:115.60 to 145.00m	2	25.00	0.50	0.20	5.00	
	2nd Step						
	Ch:0.00 to 30.00m	2	30.00	0.40	0.20	4.80	
	Ch:30.00 to 57.20m	2	27.20	0.40	0.20	4.35	
	Ch:57.20 to 66.20m	2	9.00	0.40	0.20	1.44	
	Ch:66.20 to 96.20m	2	30.00	0.40	0.20	4.80	
	Ch:96.20 to 115.60m	2	19.40	0.40	0.20	3.10	
	Gap						
	Ch:115.60 to 145.00m	2	25.00	0.40	0.20	4.00	
					Present Qty	**50.23**	**Cum**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 92.

Executive Engineer
Contractor
Nagar, Sub-division,
L, BBMP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 30-12-2020

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
88	KSRB 4-1.1: Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications Specification						
	SSM Drain Coping						
	LHS from Kempegowda circle						
	Ch:0.00 to 30.00m						
	Ch:30.00 to 57.20m	2	30.00	0.40	0.10	2.40	
	Ch:57.20 to 66.20m	2	27.20	0.40	0.10	2.18	
	Ch:66.20 to 96.20m	2	9.00	0.40	0.10	0.72	
	Ch:96.20 to 115.60m	2	30.00	0.40	0.10	2.40	
	Gap	2	19.40	0.40	0.10	1.55	
	Ch:115.60 to 145.00m						
	For Concrete Band	2	29.40	0.40	0.10	2.35	
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch:0.00 to 30.00m	1	30.00	0.10	0.25	0.75	
	Ch:30.00 to 60.00m	1	30.00	0.10	0.25	0.75	
	Ch:60.00 to 80.80m	1	20.80	0.10	0.25	0.52	
	Gap						
	Ch:80.80 to 89.00m	1	8.20	0.10	0.25	0.21	
	Ch:89.00 to 119.00m	1	30.00	0.10	0.25	0.75	
	Ch:119.00 to 138.70m	1	19.70	0.10	0.25	0.49	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	0.10	0.25	0.23	
	Ch:147.90 to 166.20m	1	18.30	0.10	0.25	0.46	
	Road Gap						
	Ch:166.20 to 178.90m	1	12.70	0.10	0.25	0.32	
	Ch:178.90 to 188.80m	1	9.90	0.10	0.25	0.25	
	Ch:188.80 to 196.20m	1	7.40	0.10	0.25	0.19	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	1	4.10	0.10	0.25	0.10	
	Ch:200.30 to 208.50m	1	8.20	0.10	0.25	0.21	
	Ch:208.50 to 223.10m	1	14.60	0.10	0.25	0.37	
	Ch:223.10 to 253.10m	1	30.00	0.10	0.25	0.75	

Executive Engineer
Contractor
Manager, Sub-division,
BBMP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike

Asst. Exec. Engineer

Scanned by CamScanner

Item No	Description of Item	No	Length	A.Breadth	Depth	Qty	Unit
	Ch 253.10 to 272.70m	1	19.60	0.10	0.25	0.49	
	Ch 272.70 to 276.30m	1	3.60	0.10	0.25	0.09	
	Ch 276.30 to 279.20m	1	2.90	0.10	0.25	0.07	
	Culvert Gap						
	Ch 279.20 to 297.00m	1	17.80	0.10	0.25	0.45	
	Ch 297.00 to 311.40m	1	14.40	0.10	0.25	0.36	
	Road Gap						
	Ch:311.40 to 315.60m	1	4.20	0.10	0.25	0.11	
	Ch:315.60 to 331.30m	1	15.70	0.10	0.25	0.39	
	Ch:331.30 to 336.70m	1	5.40	0.10	0.25	0.14	
	Ch:336.70 to 341.70m	1	5.00	0.10	0.25	0.13	
	Culvert gap						
	Ch:341.70 to 345.60m	1	3.90	0.10	0.25	0.10	
	Ch:345.60 to 349.00m	1	3.40	0.10	0.25	0.09	
	Ch.349.00 to 373.00m	1	24.00	0.10	0.25	0.60	
	Ch:373.00 to 382.50m	1	9.50	0.10	0.25	0.24	
	Ch:382.50 to 412.50m	1	30.00	0.10	0.25	0.75	
	Ch:412.50 to 430.50m	1	18.00	0.10	0.25	0.45	
	Culvert gap						
	Ch:430.50 to 444.80m	1	14.30	0.10	0.25	0.36	
	Ch:444.80 to 450.60m	1	5.80	0.10	0.25	0.15	
	Ch:450.60 to 462.20m	1	11.60	0.10	0.25	0.29	
	Ch:462.20 to 467.00m	1	4.80	0.10	0.25	0.12	
	Ch:467.00 to 475.70m	1	8.70	0.10	0.25	0.22	
	Ch:475.70 to 479.30m	1	3.60	0.10	0.25	0.09	
	Ch:479.30 to 485.20m	1	5.90	0.10	0.25	0.15	
					Present Qty	**23.73**	**Cum**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanegara Palike
Bengaluru - 92.

Executive Engineer
Contractor
Nagar, Sub-division,
, BBMP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 04-07-2024

Item No	Discription of Item	No	Length	A.Breadth	Depth	Qty	Unit
14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge						
	Kerb Stone						
	Jakkur road						
	RHS						
	Ch:0.00 to 30.00m	1	30.00	0.20	0.10	0.60	
	Ch:30.00 to 60.00m	1	30.00	0.20	0.10	0.60	
	Ch:60.00 to 80.80m	1	20.80	0.20	0.10	0.42	
	Gap						
	Ch:80.80 to 89.00m	1	8.20	0.20	0.10	0.16	
	Ch:89.00 to 119.00m	1	30.00	0.20	0.10	0.60	
	Ch:119.00 to 138.70m	1	19.70	0.20	0.10	0.39	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	0.20	0.10	0.18	
	Ch:147.90 to 166.20m	1	18.30	0.20	0.10	0.37	
	Road Gap						
	Ch:166.20 to 178.90m		12.70				
	Ch:178.90 to 188.80m		9.90				
	Ch:188.80 to 196.20m		7.40				
	Gap						
	Ch:196.20 to 200.30m	1	4.10	0.20	0.10	0.08	
	Ch:200.30 to 208.50m	1	8.20	0.20	0.10	0.16	
	Ch:208.50 to 223.10m	1	14.60	0.20	0.10	0.29	
	Ch:223.10 to 253.10m	1	30.00	0.20	0.10	0.60	
	Ch:253.10 to 272.70m	1	19.60	0.20	0.10	0.39	
	Ch:272.70 to 276.30m	1	3.60	0.20	0.10	0.07	
	Ch:276.30 to 279.20m	1	2.90	0.20	0.10	0.06	
	Culvert Gap						
	Ch:279.20 to 297.00m	1	17.80	0.20	0.10	0.36	
	Ch:297.00 to 311.40m	1	14.40	0.20	0.10	0.29	
	Road Gap						
	Ch:311.40 to 333.10m	1	21.70	0.20	0.10	0.43	
	Ch:333.10 to 337.30m	1	4.20	0.20	0.10	0.08	
	Ch:337.30 to 353.00m	1	15.70	0.20	0.10	0.31	

Executive Engineer, Contractor, Sub-division, BBMP, Bangalore

SILICON CONSULTING ENGINEERS Consultant

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Asst. Exec. Engineer
Bengaluru - 02.

Scanned by CamScanner

Item No	Description of Item	No	Length	A Breadth	Depth	Qty	Unit
	Ch 353.00 to 358.40m	1	5.40	0.20	0.10	0.11	
	Ch 358.40 to 363.40m		5.00				
	Culvert gap						
	Ch 363.40 to 367.30m	1	3.90	0.20	0.10	0.08	
	Ch 367.30 to 370.70m	1	3.40	0.20	0.10	0.07	
	Ch 370.70 to 394.70m	1	24.00	0.20	0.10	0.48	
	Ch 394.70 to 404.20m	1	9.50	0.20	0.10	0.19	
	Ch 404.20m to 434.20m	1	30.00	0.20	0.10	0.60	
	Ch 434.20 to 452.20m	1	18.00	0.20	0.10	0.36	
	Culvert gap						
	Ch 452.20 to 466.50m	1	14.30	0.20	0.10	0.29	
	Ch 466.50 to 472.30m		5.80				
	Ch 472.30 to 483.90m	1	11.60	0.20	0.10	0.23	
	Ch 483.90 to 488.70m		4.80				
	Ch 488.70 to 497.40m	1	8.70	0.20	0.10	0.17	
	Ch 497.40 to 501.00m		3.60				
	Ch 501.00 to 506.90m	1	5.90	0.20	0.10	0.12	
					Present Qty	**9.15**	**Cum**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
agar, Sub-division,
, BBMP, Bangalore

Contractor

SIGMA CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 15-02-2024

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
15	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge						
	For Footpath						
	KV Jairam Rd to Aarav systems						
	RHS						
	Ch:0.00 to 30.00m	1	30.00	2.00	0.15	9.00	
	Ch:30.00 to 60.00m	1	30.00	2.00	0.15	9.00	
	Ch:60.00 to 80.80m	1	20.80	2.00	0.15	6.24	
	Gap						
	Ch:80.80 to 89.00m	1	8.20	2.00	0.15	2.46	
	Ch:89.00 to 119.00m	1	30.00	2.00	0.15	9.00	
	Ch:119.00 to 138.70m	1	19.70	2.00	0.15	5.91	
	Gap						
	Ch:138.70 to 147.90m	1	9.20	2.00	0.15	2.76	
	Ch:147.90 to 166.20m	1	18.30	2.00	0.15	5.49	
	Road Gap						
	Ch:166.20 to 178.90m	1	12.70	2.00	0.15	3.81	
	Ch:178.90 to 188.80m	1	9.90	2.00	0.15	2.97	
	Ch:188.80 to 196.20m	1	7.40	2.00	0.15	2.22	
	Gap						
	Aarav systems to Kempegowda circle						
	Ch:196.20 to 200.30m	1	4.10	2.00	0.15	1.23	
	Ch:200.30 to 208.50m	1	8.20	2.00	0.15	2.46	
	Ch:208.50 to 223.10m	1	14.60	2.00	0.15	4.38	
	Ch:223.10 to 253.10m	1	30.00	2.00	0.15	9.00	
	Ch:253.10 to 272.70m	1	19.60	2.00	0.15	5.88	
	Ch:272.70 to 276.30m	1	3.60	2.00	0.15	1.08	
	Ch:276.30 to 279.20m	1	2.90	2.00	0.15	0.87	
	Culvert Gap						
	Ch:279.20 to 297.00m	1	17.80	2.00	0.15	5.34	
	Ch:297.00 to 311.40m	1	14.40	2.00	0.15	4.32	

Executive Engineer
Nagar, Sub-division,
, BBMP, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 02.

Asst. Exec. Engineer

Scanned by CamScanner

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Road Gap						
	Ch:311.40 to 315.60m	1	4.20	2.00	0.15	1.26	
	Ch:315.60 to 331.30m	1	15.70	2.00	0.15	4.71	
	Ch:331.30 to 336.70m	1	5.40	2.00	0.15	1.62	
	Ch:336.70 to 341.70m	1	5.00	2.00	0.15	1.50	
	Culvert gap						
	Ch:341.70 to 345.60m	1	3.90	2.00	0.15	1.17	
	Ch:345.60 to 349.00m	1	3.40	2.00	0.15	1.02	
	Ch:349.00 to 373.00m	1	24.00	2.00	0.15	7.20	
	Ch:373.00 to 382.50m	1	9.50	2.00	0.15	2.85	
	Ch:382.50 to 412.50m	1	30.00	2.00	0.15	9.00	
	Ch:412.50 to 430.50m	1	18.00	2.00	0.15	5.40	
	Culvert gap						
	Ch:430.50 to 444.80m	1	14.30	2.00	0.15	4.29	
	Ch:444.80 to 450.60m	1	5.80	2.00	0.15	1.74	
	Ch:450.60 to 462.20m	1	11.60	2.00	0.15	3.48	
	Ch:462.20 to 467.00m	1	4.80	2.00	0.15	1.44	
	Ch:467.00 to 475.70m	1	8.70	2.00	0.15	2.61	
	Ch:475.70 to 479.30m	1	3.60	2.00	0.15	1.08	
	Ch:479.30 to 485.20m	1	5.90	2.00	0.15	1.77	
					Present Qty	**145.56**	**Cum**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 02.

Executive Engineer
agar, Sub-division,
BBMP, Bangalore

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

ame of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

MEASUREMENT SHEETS

"FIRST AND PART BILL"

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB 300-1 Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications including all lead and lead including								
Vide Premeasurement page no.					88.71			
				Present Qty	**88.71**	**Cum**	**214.50**	**19029.08**
KSRRB M300-14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 6.00 km and complete as per								
Vide Premeasurement page no.					582.03			
				Present Qty	**582.03**	**Cum**	**57.02**	**33187.46**
KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by								
Vide Premeasurement page no.					36.85			
				Present Qty	**36.85**	**Cum**	**5421.90**	**199797.02**
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom								
Vide Premeasurement page no.					78.78			
				Present Qty	**78.78**	**Cum**	**7273.72**	**573052.76**
KSRB 4.9.2 Providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design								
Vide Premeasurement page no.					3.94			
				Present Qty	**3.94**	**Tn**	**72326.98**	**284910.44**
Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, HOM, curing complete as per specifications								
Vide Premeasurement page no.					50.23			
				Present Qty	**50.23**	**Cum**	**4871.76**	**244698.76**
Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, for								
Vide Premeasurement page no.					23.73			
				Present Qty	**23.73**	**Cum**	**5599.98**	**132887.53**
Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by pulvavator at OMC,spreading in uniform layers with motor grader on prepared surface and								
Vide Premeasurement page no.					9.15			
				Present Qty	**9.15**	**Cum**	**1855.00**	**16980.67**
KSRRB M400-17 Providing, laying, spreading and compacting cushed stone aggregates of granite trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers								
Vide Premeasurement page no.					145.56			
				Present Qty	**145.56**	**Cum**	**2001.28**	**291306.32**

Assistant Executive Engineer,
R R. Nagar, Sub-division,
BPIDL, BBMP, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultants

Assistant Engineer

Assistant Executive Engineer
Road Infrastructure (Yelchanka Division)
Asst. Executive Engineer
Bengaluru - 02

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura								
Detailed Measurements								
Measurement Recorded On: 15.01.2021								
Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
9	Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation								
	Culvert								
	Jakkur road								
	RHS								
		1	7.10	1.50		10.65			
		1	8.60	0.00		0.00			
					Present Qty	**10.65**	**Sqm**	**3640.00**	**38766.00**

Assistant Executive Engineer
Road Infrastructure (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 92.

Assistant Executive Engineer
R.R. Nagar, Sub-division, ★
CRIDL, BBMP, Bangalore

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

Measurement Recorded On: 15-02-2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
10	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of								
	RCC Drain Slab								
	KV Jairam Rd to Aarav systems								
	RHS								
	Ch 0.00 to 30.00m	1	30.00			30.00			
	Ch 30.00 to 60.00m	1	30.00			30.00			
	Ch 60.00 to 80.80m	1	20.80			20.80			
	Gap								
	Ch 80.80 to 89.00m	1	8.20			8.20			
	Ch 89.00 to 119.00m	1	30.00			30.00			
	Ch 119.00 to 138.70m	1	19.70			19.70			
	Gap								
	Ch 138.70 to 147.90m	1	9.20			9.20			
	Ch 147.90 to 166.20m	1	18.30			18.30			
	Road Gap								
	Ch 166.20 to 178.90m	1	12.70			12.70			
	Ch 178.90 to 188.80m	1	9.90			9.90			
	Ch:188.80 to 196.20m	1	7.40			7.40			
	Gap								
	Aarav systems to Kempegowda circle								
	Ch:196.20 to 200.30m	1	4.10			4.10			
	Ch:200.30 to 208.50m	1	8.20			8.20			
	Ch:208.50 to 223.10m	1	14.60			14.60			
	Ch:223.10 to 253.10m	1	30.00			30.00			
	Ch:253.10 to 272.70m	1	19.60			19.60			
	Ch:272.70 to 276.30m	1	3.60			3.60			
	Ch:276.30 to 279.20m	1	2.90			2.90			
	Culvert Gap								
	Ch:279.20 to 297.00m	1	17.80			17.80			
	Ch:297.00 to 311.40m	1	14.40			14.40			
	Road Gap								
	Ch:311.40 to 315.60m	1	4.20			4.20			
	Ch:315.60 to 331.30m	1	15.70			15.70			
	Ch:331.30 to 336.70m	1	5.40			5.40			
	Ch:336.70 to 341.70m	1	5.00			5.00			

Assistant Executive Engineer, K.R. Nagar, Sub-division, (RIDL, BBMP, Bangalore

SILICON CONSULTING ENGINEERS Consultants

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bangaluru-92

Asst. Exec. Engineer

Scanned by CamScanner

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Culvert gap								
	Ch 341.70 to 345.60m	1	3.90			3.90			
	Ch 345.60 to 349.00m	1	3.40			3.40			
	Ch 349.00 to 373.00m	1	24.00			24.00			
	Ch 373.00 to 382.50m	1	9.50			9.50			
	Ch 382.50 to 412.50m	1	30.00			30.00			
	Ch 412.50 to 430.50m	1	18.00			18.00			
	Culvert gap								
	Ch 430.50 to 444.80m	1	14.30			14.30			
	Ch 444.80 to 450.60m	1	5.80			5.80			
	Ch:450.60 to 462.20m	1	11.60			11.60			
	Ch:462.20 to 467.00m	1	4.80			4.80			
	Ch:467.00 to 475.70m	1	8.70			8.70			
	Ch:475.70 to 479.30m	1	3.60			3.60			
	Ch:479.30 to 485.20m	1	5.90			5.90			
	LHS from Kempegowda circle								
	Ch:0.00 to 30.00m	1	30.00			30.00			
	Ch:30.00 to 50.00m	1	20.00			20.00			
	Ch:50.00 to 59.00m	1	9.00			9.00			
	Ch:59.00 to 89.00m	1	30.00			30.00			
	Ch:89.00 to 108.40m	1	19.40			19.40			
	Gap					0.00			
	Ch:108.40 to 137.80m	1	29.40			29.40			
					Present Qty	**623.00**	**m**	**1145.86**	**713870.78**

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 02.

Contractor

Consultant

Asst. Engineer

Asst. Exec. Engineer

Scanned by CamScanner

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Detailed Measurements

urement Recorded On: 15-02-2024

Description of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing pre cast solid cement concrete kerb stones made out of CC 2.2.4 with top and bottom width 224 and 265 mm respectively, 400mm high and 450mm in length finished with CM 2.3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete .complete									
Kerb Stone									
Jakkur road									
RHS									
Ch 0.00 to 30.00m	RHS	1	30.00			30.00			
Ch 30.00 to 60.00m	RHS	1	30.00			30.00			
Ch 60.00 to 80.80m	RHS	1	20.80			20.80			
Gap									
Ch 80.80 to 89.00m	RHS	1	8.20			8.20			
Ch 89.00 to 119.00m	RHS	1	30.00			30.00			
Ch 119.00 to 138.70m	RHS	1	19.70			19.70			
Gap									
Ch 138.70 to 147.90m	RHS	1	9.20			9.20			
Ch 147.90 to 166.20m	RHS	1	18.30			18.30			
Road Gap									
Ch 166.20 to 178.90m	RHS		12.70						
Ch 178.90 to 188.80m	RHS		9.90						
Ch:188.80 to 196.20m	RHS		7.40						
Gap									
Ch 196.20 to 200.30m	RHS	1	4.10			4.10			
Ch 200.30 to 208.50m	RHS	1	8.20			8.20			
Ch 208.50 to 223.10m	RHS	1	14.60			14.60			
Ch:223.10 to 253.10m	RHS	1	30.00			30.00			
Ch:253.10 to 272.70m	RHS	1	19.60			19.60			
Ch:272.70 to 276.30m	RHS	1	3.60			3.60			
Ch.276.30 to 279.20m	RHS	1	2.90			2.90			
Culvert Gap									
Ch:279.20 to 297.00m	RHS	1	17.80			17.80			
Ch:297.00 to 311.40m	RHS	1	14.40			14.40			
Road Gap									
Ch:311.40 to 333.10m	RHS	1	21.70			21.70			
Ch:333.10 to 337.30m	RHS	1	4.20			4.20			
Ch:337.30 to 353.00m	RHS	1	15.70			15.70			
Ch:353.00 to 358.40m	RHS	1	5.40			5.40			
Ch:358.40 to 363.40m	RHS		5.00						
Culvert gap									
Ch:363.40 to 367.30m	RHS	1	3.90			3.90			
Ch:367.30 to 370.70m	RHS	1	3.40			3.40			
Ch:370.70 to 394.70m	RHS	1	24.00			24.00			
Ch:394.70 to 404.20m	RHS	1	9.50			9.50			
Ch:404.20m to 434.20m	RHS	1	30.00			30.00			

SILICON CONSULTING ENGINEERS

Asst. Engineer

Assistant Executive Engineer
Road Infrastructure (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
Bengaluru - 92.

Asst. Exec. Engineer

Scanned by CamScanner

Description of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch 434.20 to 452.20m	RHS	1	18.00			18.00			
Culvert gap									
Ch 452.20 to 466.50m	RHS	1	14.30			14.30			
Ch 466.50 to 472.30m									
Ch 472.30 to 483.90m	RHS	1	11.60			11.60			
Ch 483.90 to 488.70m									
Ch 488.70 to 497.40m	RHS	1	8.70			8.70			
Ch 497.40 to 501.00m									
Ch 501.00 to 506.90m	RHS	1	5.90			5.90			
						457.70			
					Present Qty	1018.00	Nos	432.48	440264.64
								Total	2988751.45
								4% KRIDL	119550.06
								GST 12%	372996.18
								Grand Total	3481297.69

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
[illegible]2.

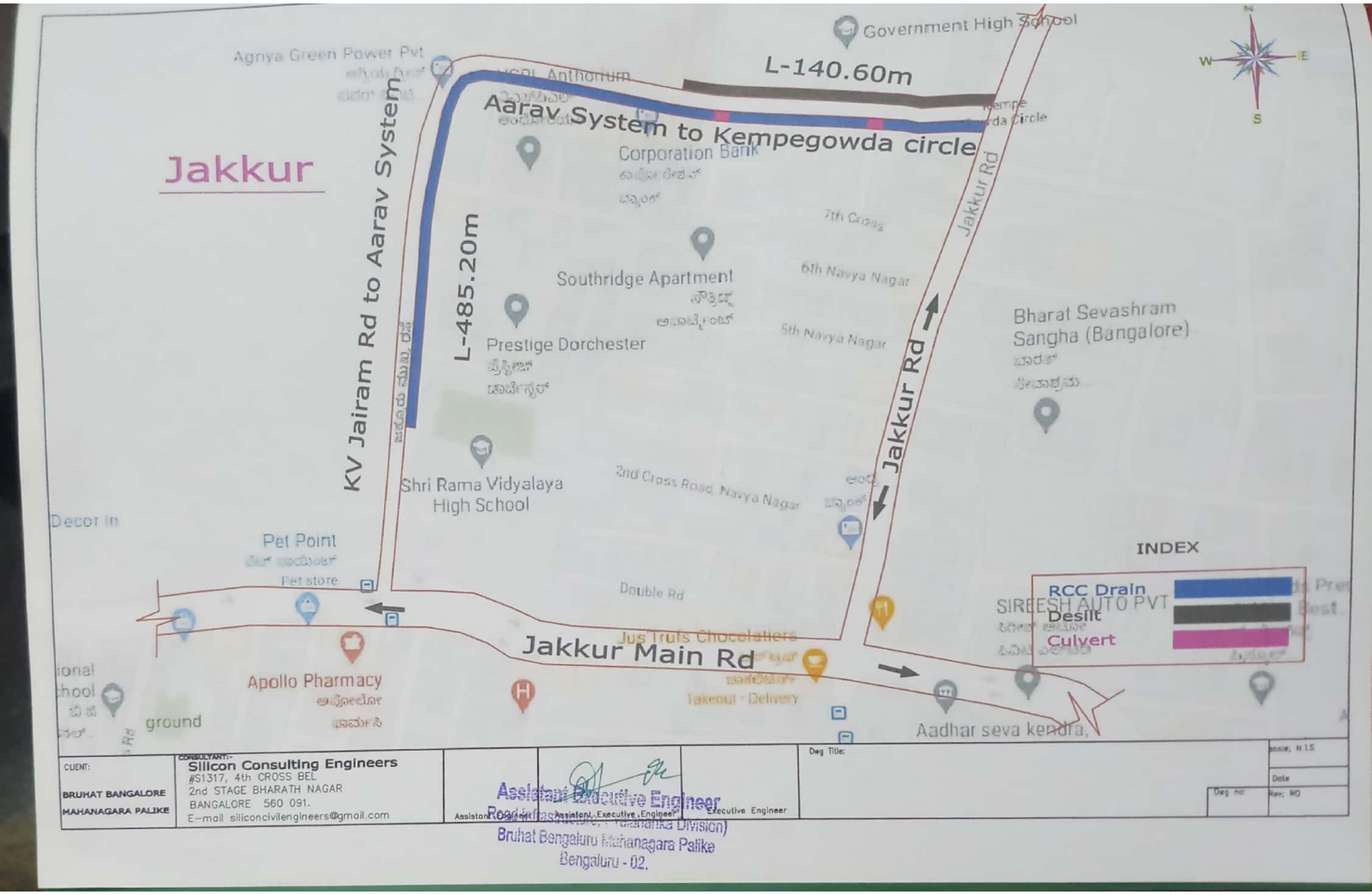
SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer.

Scanned by CamScanner



Scanned by CamScanner